

Inland Navigation Safety

Systematic Safety Programs for Locks and Dams

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Safety Moment - Safety in St. Louis

- Weather
- Nightlife
- Hotel Emergency/Evacuation
- Emergency Contact
- Buddy System



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FY2010 Safety Programs Focus

- 1. Goals & Objectives
- 2. Training
- 3. Programmed Safety Inspections
- 4. PPE Policies
- 5. Fall Protection
- 6. Lifting Operations/Crane Safety
- 7. Scaffolding
- 8. Over-Water Ops

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Systematic Safety Program

Goal: To develop a self-sustaining safety culture within the RPO/MVS over the next two years that embraces the aspects of employee involvement and management commitment to reduce waste, (injuries, incidents and inefficiencies) with regard to Lock and Dam Maintenance, Service Base Operations and hired labor crews.

Objectives:

- 1. Train our team members to recognize hazards and to provide the tools and resources to mitigate them.
- Develop <u>employee driven</u> safety committees to self develop and manage their <u>own(ed)</u> programs.
- 3. Focus primarily on the OSHA Focus Four Hazards in the next two years.

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Training

EM-385 / OSHA Rgmnts

- HAZCOM / MSDS
- Collateral Duty Safety Officer
- Harmful Plants & Animals
- Flammable / Toxic Materials
- Confined Space
- Other Specific Hazards that may be associated with work (crane certification, dive inspector, HAZWOPER, etc)

River's Project Office Initiatives

- OSHA 10-hr Certification for all maintenance, construction, floating plant and lock personnel
- OSHA 30-hr Certification for Supervisors
- See Training Agenda Handouts

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Programmed Safety Inspections

- Developing Checklists to focus efforts/provide efficiency
- Targets various aspects of maintenance/ Lock & Dam environment on a weekly basis
- · Weekly spot inspections roll into a monthly checklist.
- Verifies monthly items are inspected/tested
 - Fire Extinguishers
 - GFCl's
 - Access/Egress
 - Fall Protection Equipment
 - Cranes/Hoists
- Possibility of coordinating with CFEMS
- Provides Lock and Dam involvement and self-management of their programs with regular spot inspections by Safety Personnel

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Inspection Checklists

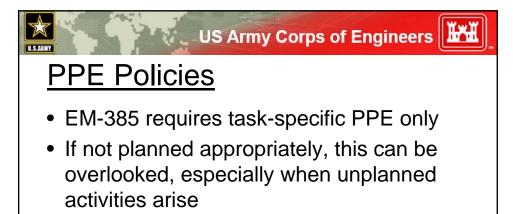
- Database of 40+
- Consolidate to Top Ten
 - Locks and Dams (General)
 - Construction (General)
 - Scaffolds
 - Fall Protection
 - Floating Plant
 - Skiffs and Rescue Boats
 - Diving Ops
 - Equipment Operation
 - Hand and Power Tools
 - Welding Operations

- Checklist Basic Components
 - Housekeeping
 - Fire Protection
 - Fall Protection
 - Electrical Hazards
 - Struck-by Hazards
 - Caught-Between Hazards
 - AHA Analysis
 - Emergency Plan

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 100% or PPE Zones can prevent the unplanned issues of not having what you need.

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US Army Corps of Engineers



Fall Protection

- Training
 - Recognizing Rqmnts
 - Proper Usage / Wear
- Planning
 - Guardrails/Restraint
 - PFAS
 - Horiz. /Vert. Applications
- Rescue Plans/ Rehearsals







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US Army Corps of Engineers



Lifting Operations / Crane Safety





- 3rd Party inspections Districtwide rather than locally procured
- Stringent Maint. Records
- Ensure Critical Lift Plans are performed and followed
- Extra requirements for personnel hoisting
- **Competent Person Required**

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US Army Corps of Engineers



Scaffolding

- **Proper Training**
- Proper system / application set-up
- Competent person Requirement
- Erecting / Dismantling hazards
- Specific requirements for suspended / swing-stage scaffolding



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US Army Corps of Engineers



Over-Water Ops

- Culmination of ALL safety training/hazards
- Includes Cold Water Survival
- · Requires planned, trained and rehearsed rescue operations







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Questions

- Summary:
 - Continuous improvement and communications are imperative
 - Standardization among <u>sites within a District</u> and <u>Districts within</u> <u>the Division</u> are paramount to USACE transparency and success
 - A systematic, culture-building approach is the foundation for protecting our greatest asset...PEOPLE.
- Contact

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